PTFM SEALING YOUR FUTURE

Asbestos Free

Technical Data Sheet

MATERIAL PROPERTIES*: Blue-Gard® 3200

Colour:	Off-White
Composition:	Aramid fibres with a SBR binder
Fluid Services:	Water, saturated steam[3] inert gases
Temperature[1] , ℉ (℃)	
Minimum:	-100 (-73)
Continuous Maximum:	+400 (+205)
Maximum:	+700 (+371)
Pressure[1] , Maximum, psig (bar):	1200 (83)
P x T (max.)1 , psig x ℉ (bar x ℃):	
1/32 and 1/16":	350,000 (12,000)
1/8"	250,000 (8,600)
Meets Specifications:	ABS (American Bureau of Shipping) and MIL-DTL-24696 Type II[4]

TYPICAL PHYSICAL PROPERTIES*:

ASTM F36	Compressibility, average, %:	10
ASTM F36	Recovery, %:	50
ASTM F38	Creep Relaxation, %:	18
ASTM D1708	Tensile, Across Grain, psi (N/mm^2):	2250 (15)
ASTM F1315	Density lbs/ft^3 (grams/cm^3):	100 (1.60)
ASTM F433	Thermal Conductivity (K), W/m℃K (Btu in/ hr ft^2 ℉):	0.29 - 0.38 (2.00 - 2.65)

SEALING CHARACTERISTICS*

	ASTM F37B – Fuel A	ASTM F37B – Nitrogen	DIN 3535 - Nitrogen
Gasket Load, psi (N/mm2):	500 (3.5)	3000 (20.7)	4640 (32)
Internal Pressure, psig (bar):	9.8 (0.7)	30 (2)	580 (40)
Leakage	0.3 ml/hr.	0.7 ml/hr	0.03 cc/min

Notes: * This is a general guide and should not be the sole means of selecting or rejecting this material. This data sheet covers basic information, for more comprehensive information, please contact us.
ASTM test results in accordance with ASTM F-104; properties
[1] Based on ANSI RF flanges at our preferred torque. When approaching maximum pressure, continuous operating temperature, minimum temperature or 50% of maximum PxT, consult Garlock Applications Engineering. Minimum temperature rating is conservative.
[2] Indicates electric current arced around and not through the gasket. Dielectric strength is higher than indicated.
[3] These styles are not preferred choices for steam service, but are successful when adequately compressed Minimum recommended assembly stress = 4,800psi. Preferred assembly stress = 6,000-10,000psi. Gasket thickness of 1/16" strongly preferred. Re-torque the bolts/studs prior to pressurizing the assembly. For saturated steam above 150psig or superheated steam, consult us.
[4] To ensure receipt of product branded Mil-DTL-24696, certification will be required- - fees associated based on quantity. Refer to ""Military Specifications"" in the Gasketing Terms section of the Engineered Gasket Products catalogue for order/inquiry requirements.

ISOQAR REGISTERED UKAS MANAGEMENT SYSTEMS 0026
Certificate Number: 14352
ISO 9001

UK GASKET & SEALING ASSOCIATION

Care should be taken in selecting the most suitable quality for each application. Advice is available, but final responsibility remains with the customer.

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